

Notice of Allowability

Application No.

10/659,974

Examiner

Ted M. Wang

Applicant(s)

KRYZAK ET AL.

Art Unit

2611

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 9/11/2003.
2. ☒ The allowed claim(s) is/are 1-45.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 2/10/04 & 5/23/05
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 12/6/2007
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

Examiner Amendments

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with Applicant's representative Justin Liu on 12/6/2007.
3. The application has been amended as follows:

In the claims:

- ☐ Claim 1, line 8, after "and" insert --- a ---.
- ☐ Claim 2, line 5, move --- and --- right next to ":", with a single space.

Allowable Subject Matter

4. Claims 1-45 are allowed.
5. The following is an examiner's statement of reasons for allowance.
 - ☐ The prior art fails to teach an apparatus of Claims 1, 14, 20, 28 and 40 that specifically comprises the following:
 - The instant application is deemed to be directed to a non-obvious improvement over the admitted prior art of the instant application and the invention patented in Pat. No. US 6,563,821, US 7,099,426, US

7,106,760, US 7,187,709, and US 7,295,639. The improvement comprises:

With regard claim 1, "commencing channel bond writing of respective data to and reading of the respective data from corresponding buffers by the master transceiver and the slave transceivers in accordance with the individual slave channel bonding start information and the master channel bonding start information." as recited in combination with other limitation as claimed,

With regard claims 14 and 40, "determining whether the receiving of channel bonding request and the delayed channel bonding sequence are within a time window; when the receiving of channel bonding request and the delayed channel bonding sequence are within the time window: aligning data with respect to data alignment of the master transceiver to produce aligned data;" as recited in combination with other limitation as claimed,

With regard claim 20, "generate a channel bonding sequence address based on the write pointer and the channel bonding sequence detect signal; generate a channel bonding start address based on the channel bonding sequence address and channel bonding configuration information; generate a channel bonding start indication based on the channel bonding configuration information; provide the channel bonding start address and the channel bonding start indication to the pointer

generation module such that, at commencement of channel bonding, the write pointer corresponds to the channel bonding start address" as recited in combination with other limitation as claimed,.

With regard claim 28, "the master transceiver is operably coupled to: commence channel bond writing of respective data to and reading of the respective data from corresponding buffers by the master transceiver in accordance with the master channel bonding start information; each of the slave transceivers operably coupled to: commence the channel bond writing of respective data to and reading of the respective data from corresponding buffers by the slave transceivers in accordance with the individual slave channel bonding start information." as recited in combination with other limitation as claimed, and

6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

7. Reference(s) US 6,563,821, US 7,099,426, US 7,106,760, US 7,187,709, and US 7,295,639 are cited because they are put pertinent to the ***. However, none of references teach detailed connection as recited in claim.

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8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ted M. Wang whose telephone number is (571) 272-3053. The examiner can normally be reached on M-F, 7:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chieh Fan can be reached on 571-272-3042. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at (866) 217-9197 (toll-free).

Ted M Wang

Examiner

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Ted M. Wang

A handwritten signature in black ink, appearing to be 'Ted M. Wang', written over a horizontal line.